

# **Dr. Mow Shiah Lin Scholarship Awardees**

2005 – Yuanzhi Tang (Dept of Geosciences)

*“Coprecipitation of Cr(VI) with Calcite: Batch Experiments and Spectroscopic Characterization”*

2006 – Minhua Shao (Dept of Materials Science and Engineering)

*“Electrochemical and Spectroscopic Studies of Fuel Cell Reactions”*

2007 – Yuan Sun (Dept of Materials Science and Engineering)

*“Highly Crystalline rectangular Palladium Nanoparticles: Colloidal Synthesis and Electron Microscopy Studies”*

2008 – Ning Zhang (Dept of Materials Science and Engineering)

*“Strain/Stress and Defects Analysis in Silicon Carbide”*

2009 – Ying Liu (Dept of Materials Science and Engineering)

*“Electrospinning of Biocompatible Polymer Fibers”*

2010 – Ping Cao (Dept of Chemistry)

*“Mechanistic Study of Amyloid Formation by Islet Amyloid Polypeptide: Implications for Type 2 Diabetes.”*

2011 – Zhixun Dou (Dept of Molecular Genetics and Microbiology)

*“Stay alive When Starved - Class I PI3K p110beta subunit is a positive regulator of autophagy”*

2012 – Yixiong Yang (Dept of Chemistry)

*“Cu-based Nanocatalysts for the Production of Renewable Fuel”*

2013 – Jo-Ann Jee (Dept of Chemistry)

*“Convergent Synthesis of Dendrimers via the Passerini Multicomponent Reaction”*

2014 – Meng Yang (Dept of Chemistry)

*“Evolutionarily Distinct Heterotetrameric Enzymes in Cholesterol Metabolism from Mycobacterium tuberculosis”*

2015 – Kuan Hu (Dept of Biochemistry and Cell Biology)

*“Structural analysis of the dodecameric proteasomal activator PafE in Mycobacterium tuberculosis”*

2016 – Jianping Huang (Dept of Chemistry)

*“Investigation of Electron Transfer and Ion Transport Issues in Rechargeable Metal Ion Batteries”*

2017 – Jiefu Yin (Dept of Chemistry)

*“Investigating high voltage cathode materials: the impact of crystallite size, chemical composition, and electrolyte on Mg electrochemistry”*

2018 – Bingjie Zhang (Dept of Chemistry)

*“Synthesis, Characterization and Electrochemistry Study of Hollandite and Todorokite Type MnO<sub>2</sub>”*

2019 – Haoyue Guo (Dept of Chemistry)

*“A First Principles Study of Spinel ZnFe<sub>2</sub>O<sub>4</sub> for Electrode Materials in Lithium-ion Batteries”*

2019 – Chun-Hao Pan (Dept of Pathology)

*“A novel rewired pathway of nucleotide metabolism drives chemoresistance in pancreatic cancer”*

2020 – Erwei Huang (Dept of Chemistry)

*“Water-promoted interfacial pathways in methane oxidation to methanol on a CeO<sub>2</sub>-Cu<sub>2</sub>O catalyst”*

2020 – Shruti Iyer (Human Genomics at the Graduate Program in Genetics)

*“Understanding genetic variation in cancer using targeted long-read sequencing”*

2020 – Bingchen Li (Dept of Chemistry)

*“Asymmetric Charged Liposomes for Drug Delivery”*

2020 – Sha Tan (Dept of Chemistry)

*“Electrolyte and Interphase Engineering for low temperature lithium battery applications”*